

## Owner's Manual

# GRACIOSO 1.0

High definition  
2 way-bass reflex  
cabinet loudspeakers



Acoustic Preference d.o.o.  
[www.acoustic-preference.com](http://www.acoustic-preference.com)

Handcrafted in EU



**-WARNING –**

**TO REDUCE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS EQUIPEMENT TO RAIN OR MOISTURE.**

**CAUTION!**

**NO USER-SERVICEABLE PARTS INSIDE.  
DO NOT REMOVE DRIVERS OR BACK  
TERMINALS.**

**REFER SERVICING TO QUALIFIED  
PERSONNEL.**

**Caution!**

Changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

**IMPORTANT SAFETY INSTRUCTIONS!**

PLEASE READ BEFORE OPERATING THIS EQUIPMENT:

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not expose this apparatus to dripping or splashing and ensure that no object filled with liquids, such as vases, are placed on the apparatus.
6. Do not install near any heat source such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. Never expose this product to extremely high or low temperatures.
7. Clean wooden surfaces only with a dry cloth and specialty wood cleaners.
8. Do not touch the membrane of the speaker drivers.
9. Connect unit in accordance with the manufacturer's instructions.
10. Protect the loudspeakers chord from being stepped on or pinched, particularly near the plug and at the point where they exit from the unit.



11. Servicing by qualified personnel is required when the unit has been damaged in any way.
12. This apparatus is capable of producing high sound pressure levels. Continued exposure to high sound pressure levels can cause permanent hearing impairment or loss. User caution is advised and ear protection is recommended when playing at high volumes.
13. Always keep electrical equipment out of the reach of children.



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## 1. GRACIOSO 1.0

The Gracioso 1.0 is a 2-way bass reflex cabinet loudspeaker, distinctive by its topmost design and dramatically realistic sound. Because of its power-handling and sensitivity, it is suitable for most audio systems. It will fit in small to midsize rooms, sonically and visually.

Each Gracioso 1.0 speaker is a unique and exclusively handmade product. Every pair is inspected, matched, tested and approved in Acoustic Preference labs before being sent to the customer.

## 2. TECHNICALS

### Technical specifications:

- 2-way/bass reflex system
- 12 dB/oct/LKR/2200 Hz crossover
- Nominal power, 150 W
- Impedance, 8 Ohm
- Frequency response, 50 Hz – 20 kHz
- Sensitivity, 88 dB / 1W/ 1M
- Dimensions-loudspeaker: 260 x 365 x 360 mm (W x D x H)
- Dimensions-stand: 260 (310) x 365(420) x 690 mm (W x D x H) with spikes.
- Weight: Loudspeaker=12,6 kg/piece; Stand= 18,6 kg/piece.

### Mid-bass

- 160 mm Morel High Performance bass-midrange
- One-piece DPC cone/dust cap for smooth, extended response and firm bass
- Large diameter aluminum former for efficient heat transfer
- 75 mm diameter HEXATECH voice coil for high power handling and superior dynamics
- Massive die-cast open aluminum basket for flat and smooth response
- Natural felt disc for absorption of unwanted reflections

### Tweeter

- Morel 28 mm High Performance Elite series tweeter
- ACUFLEX hand-treated soft dome and aluminum faceplate
- HEXATECH voice coil for high power handling and superior dynamics
- Triple Ferrite magnet system
- Under hung configuration for higher performance and lower distortion
- Linear motion for high sensitivity, fast transient response and high definition

### Crossover

- 12 dB/oct/LKR/2200 Hz crossover
- Mundorf Air Foil Coils, 99.999% pure OFC-copper with Polypropylene insulation.
- Mundorf High-End Audio Grade MKP capacitors, matched to 0.5% tolerance.
- Exclusive custom braid - HGA Solid Silver/Teflon insulated inner wiring
- High quality Bi-wire WBT terminals

### 3. HANDLING

After removing the external covering of packing, grab the housing of the loudspeaker and pull it out of the packing box together with the protective inner package.

Follow all the enclosed instructions for setting up the loudspeakers.



Figure 1: Protective grills are attached to the speakers with a self-centering magnet system. You can remove them by gently pulling them away from the speakers. They can be re-attached by bringing them near to their position on the speaker and the magnets will lock the grills into the right position.

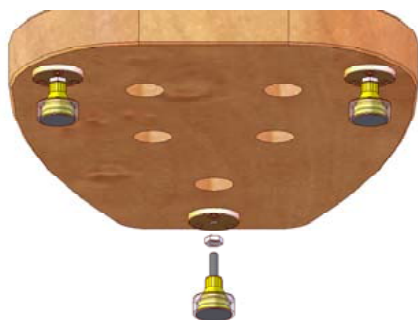


Figure 2: Firmly mount the lower spikes into the brass sockets in the bottom of the speaker stand.

Spikes are height adjustable and allow levelling of the speaker in the case of uneven floors.

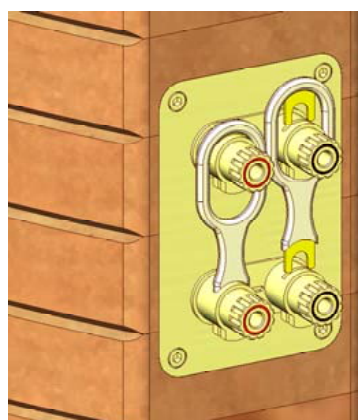


Figure 3: Remove WBT terminal bridges if using bi-wire connection.



Figure 4: Put the upper spikes in the sockets in the top of the speaker stand.

## 4. PLACEMENT

All loudspeakers interact with the environment in which they are placed. Loudspeaker performance is influenced by the size, shape, and contents of the listening room as well as the placement of the loudspeaker within the room.

The distance between the speakers and the rear wall should, ideally, be between a half and a full metre. (For the best stereo imaging and a sense of spaciousness, place the speakers at equal distances from the primary listening position and the side walls; move speakers closer to the corners or walls of the listening room to increase bass response).

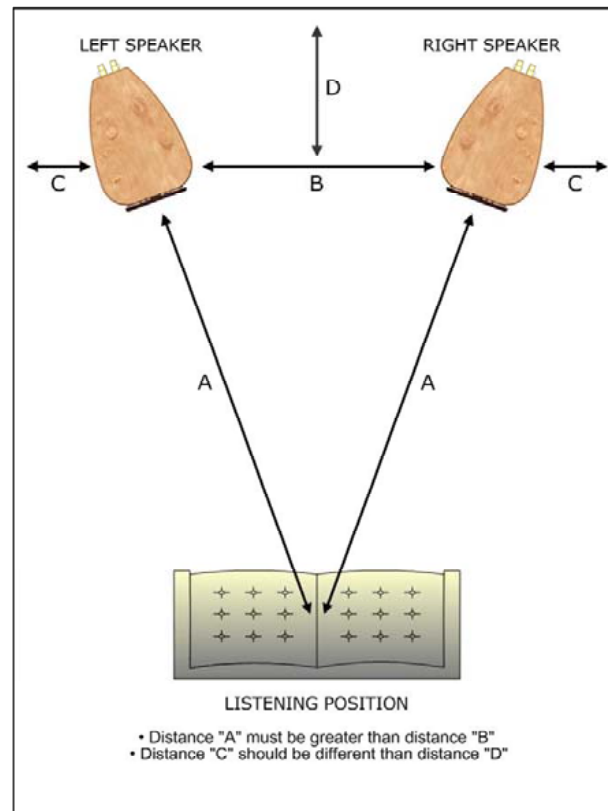


Figure 5: Distance between speakers, listening area and walls

Remove all obstructions between speakers and the primary listening position. For instance, a coffee table between a speaker and the primary listening position will degrade stereo imaging and timbre. Placing a speaker near large objects may also cause unwanted reflections.



In home theatre systems, the magnetic radiation of the loudspeakers must be taken into consideration. It is strongly advised to refrain from placing front loudspeakers closer than 50cm from your TV.

The distance between the speakers should be slightly less than the distance from the speakers to the listening area. For the best stereo imaging and sound staging, the listener should be equidistant from the 2 speakers.

The angle at which the speakers are aimed at the listener will vary from room to room.

We recommend the following two alternatives:

- 1) Position the speakers parallel to the rear wall (widen the soundstage).
- 2) Toe the speakers in to aim at the listening area (optimal stereo imaging and timbre).

Experimentation is vitally important to achieve optimum results in any given environment.



## 5. CONNECTIONS

- Turn off all audio system power before making any connections.
- Use high-quality loudspeaker cables. The length and type of speaker cable used for your system will have an audible effect.
- Make all connections observing the proper polarity, positive-to-positive (+) and negative-to-negative (-).
- Most speaker cables are marked so that it is possible to distinguish between conductors by the colour of the insulation or by a white stripe or small raised edge along one conductor. Correct phasing of the speakers is vital for sound quality.

### Connecting your Gracioso 1.0 loudspeakers

1. Connect one pair of loudspeaker wires to the input connectors. Then connect the same pair of loudspeaker wires to the desired power amplifier output channel.
2. Repeat step 1 to connect the second loudspeaker to a separate power amplifier output channel.

Figure 6: Connection with single stereo amplifier

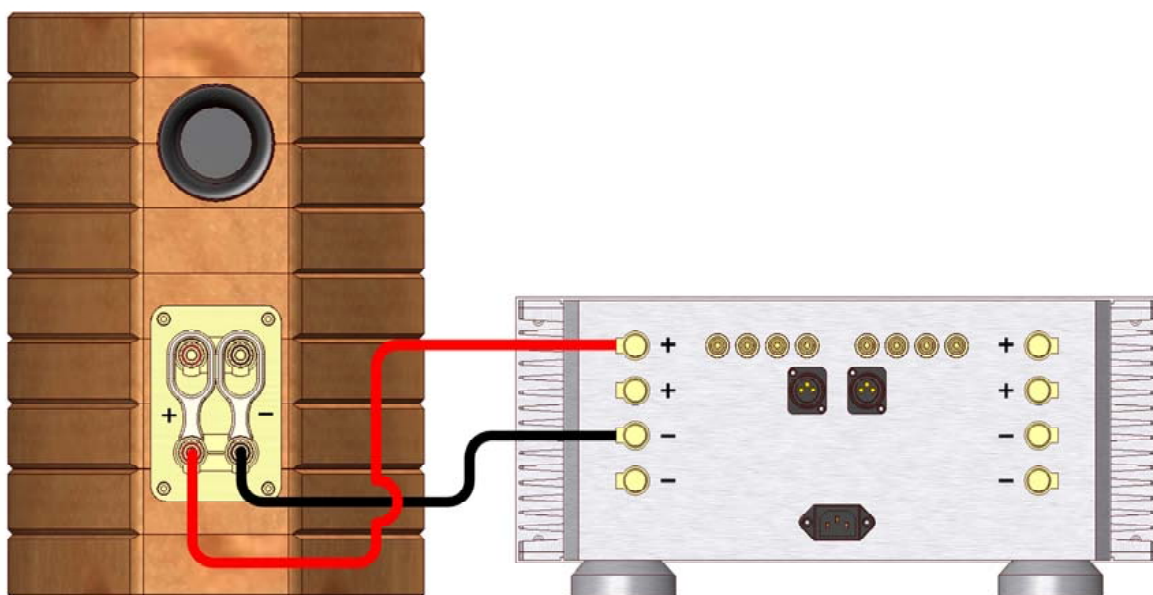


Figure 7 and 8: Bi-wire connection with single stereo amplifier

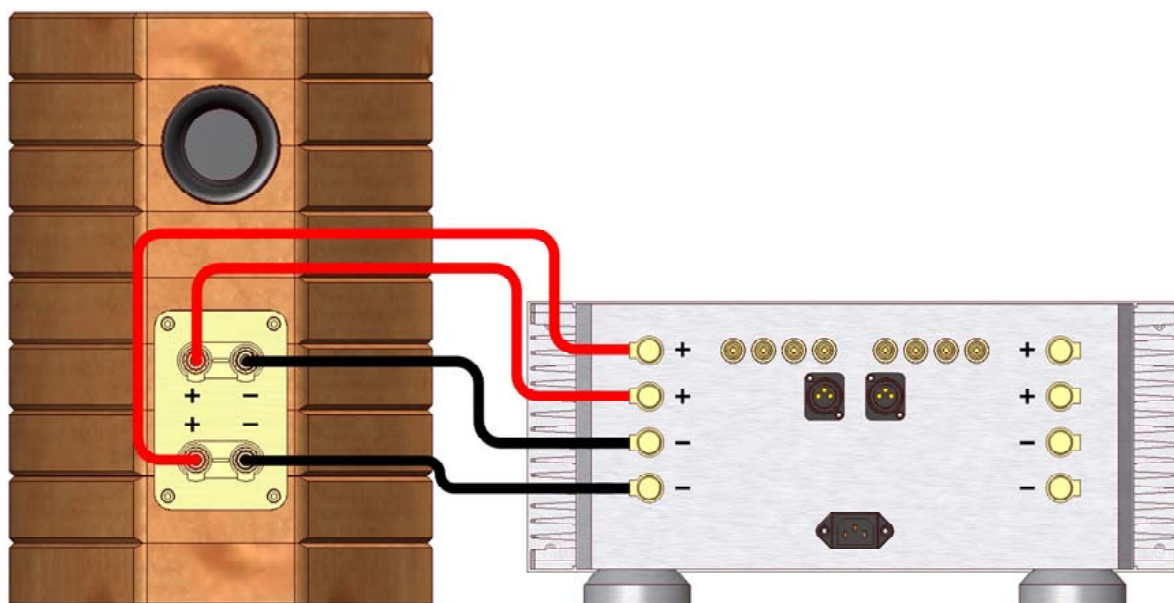
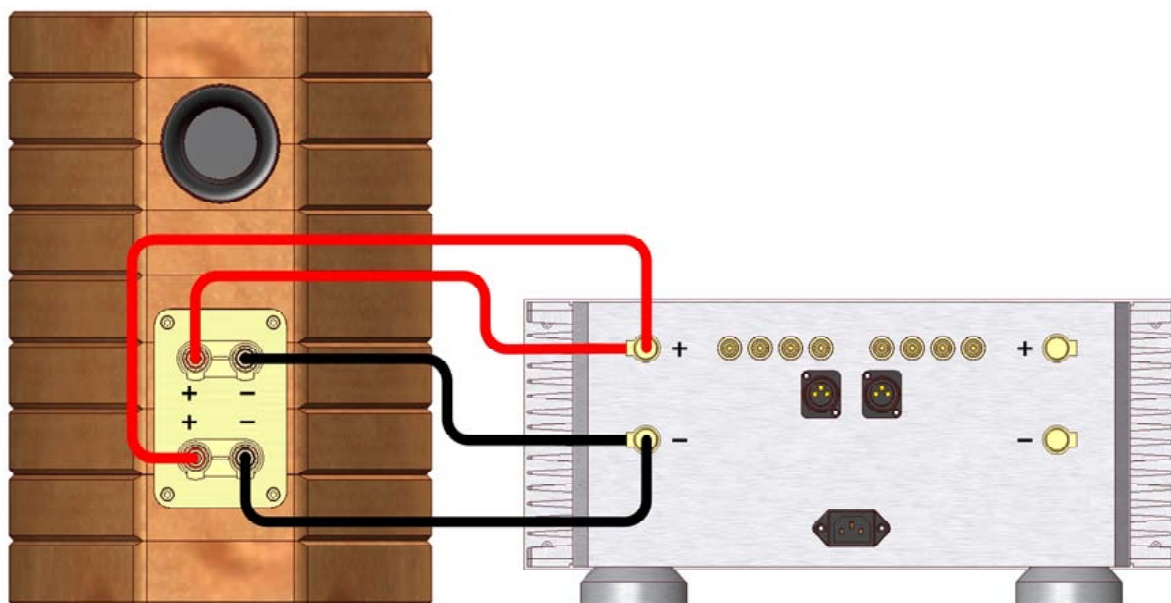


Figure 9: Biamp with single stereo amplifier

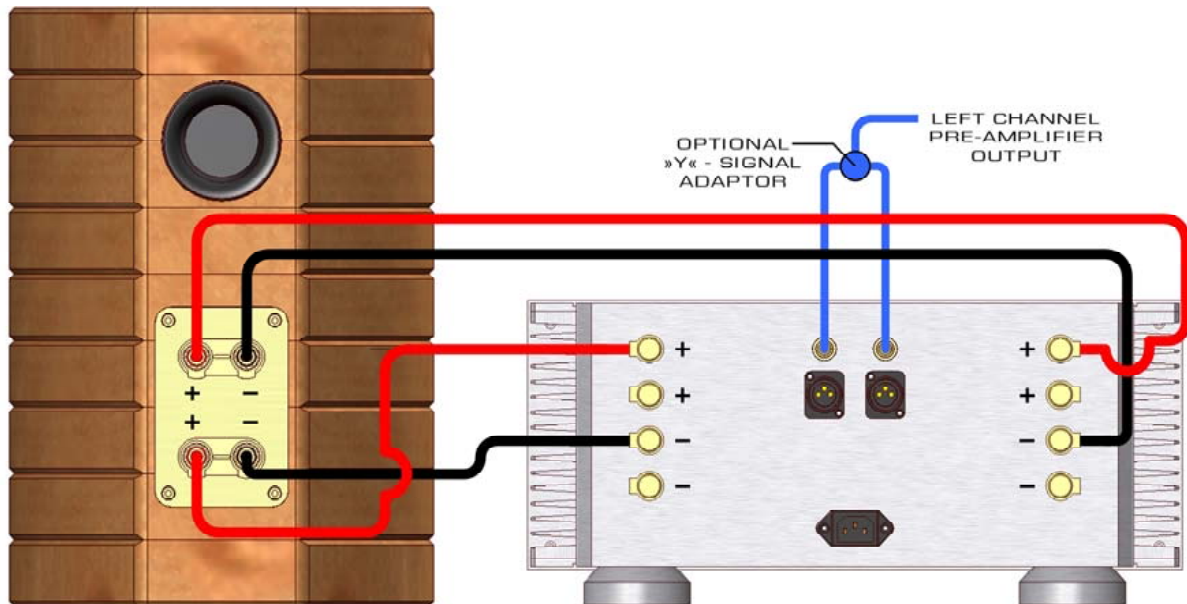
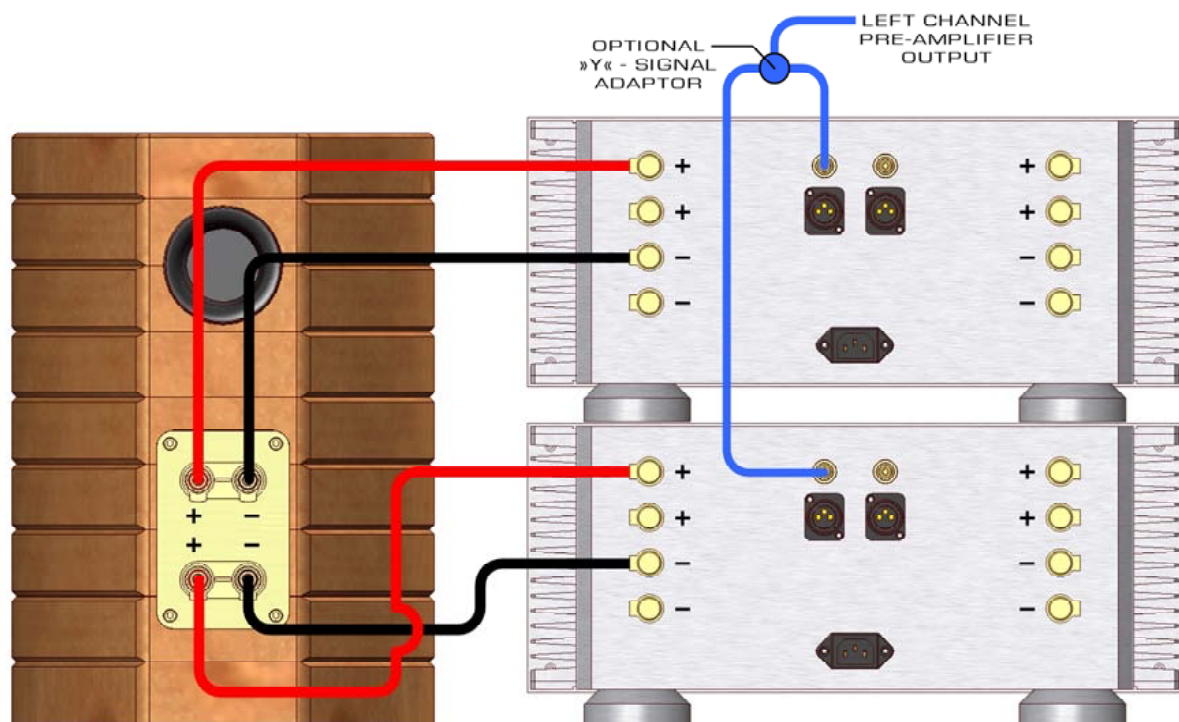


Figure 10: Biamp with two stereo amplifiers





## **6. ACOUSTIC PREFERENCE WARRANTY**

Acoustic Preference products are manufactured from the highest quality materials and components selected with maximum care. State-of-the-art technical and design solutions are also taken into account. Acoustic Preference products are extensively tested with lots of care and precision and must pass rigorous quality control standards to ensure first-class service and delights to all customers.

Any Acoustic Preference product not performing satisfactorily may be returned to the factory with a full money-back guarantee within 45 days of purchase provided it was purchased directly from Acoustic Preference (if returned, customer is responsible for shipping charges).

An Acoustic Preference warranty protects the original retail purchaser (parts and labour), for a period of five (5) years starting from the date of purchase, from any failure resulting from original manufacturing defects.

A valid and registered serial number is required for warranty coverage. This warranty is transferable to subsequent purchasers within the original five-year period. If a used Acoustic Preference product is sold to a new customer before warranty expires, he must re-register the product on the Acoustic Preference website or by regular mail to claim the rights of the Acoustic Preference warranty. To do this, simply send us, by e-mail or regular mail, your full address and product model and serial number.

### **TERMS AND CONDITIONS**

1. This warranty is only valid in the case of defects in materials and/or workmanship at the time of purchase.

2. Warranty will not be accepted:

- for damages caused by any use other than correct use described in the user manual,
- for damages caused by incorrect installation, connection or packing,
- for negligence, modifications, or use of parts that are not made or authorised by Acoustic Preference,
- for damages caused by faulty or unsuitable ancillary equipment,
- for damages caused by accidents, lightning, water, fire heat, war, public disturbances or any other cause beyond the reasonable control of Acoustic Preference,
- for products whose serial number has been altered, deleted, removed or made illegible,
- In cases that repairs or modifications have been executed by an unauthorised person.



3. Return authorisation must first be obtained by either calling or writing to Acoustic Preference customer support prior to shipping the product. When obtaining return authorisation, please be prepared to provide the model, serial number, and a complete, explicit description of the problem. A copy of the original, dated Bill of Sale must be included to confirm warranty status.

4. Shipping and Transfer of Risk: The customer is responsible for shipping charges to the factory. The risk is transferred to the buyer as soon as the shipment has been taken over by the forwarder/ forwarding agent or has left the seller's warehouse for shipment. If shipment is delayed on request of the buyer, the risk is transferred to the buyer at the time of shipping notice.

Please always retain the original packing materials. Acoustic Preference products must be properly packaged (in their original packing materials whenever possible) and the proper return authorisation must be visible on the outer carton for easy identification. Improper packaging may lead to unnecessary freight damage that is not covered by either the freight carrier or the warranty.

## **PRODUCT REGISTRATION**

It is recommended that all purchasers of Acoustic Preference products register their item for settling service and warranty procedures, as well as receiving news about product improvement, upgrades and information about new products. For these reasons, it is recommended that not only first owners, but also second-hand product owners register their Acoustic Preference product.

Registration is also useful if you purchased the product from a dealer who is no longer our official distributor or if you purchased the product on our website. In these cases, Acoustic Preference will arrange all your service and warranty necessities.

For product registration, click on the link "registration form" on the left menu bar on our web, fill in and send us the requested information and you will be added to our product owner database. The Acoustic Preference team will make their best effort to satisfy your wishes and expectations.



## **RECEIVE OUR MAIL NEWS**

If you find our products interesting and would like to receive company news or information and tests about our products, please add yourself to our mailing list by filling in the attached registration form on our web.

## **SECURITY**

Acoustic Preference knows that you care how information about you is used and shared. We appreciate your trust in us, and we assure that your personal information will be handled with utmost care and in accordance with EU personal data protection acts.

**Thank you for choosing Gracioso 1.0 loudspeakers.**

**We wish you plenty of satisfaction and enjoyment with them, as we had when we created them for you.**

**The Acoustic Preference Team**